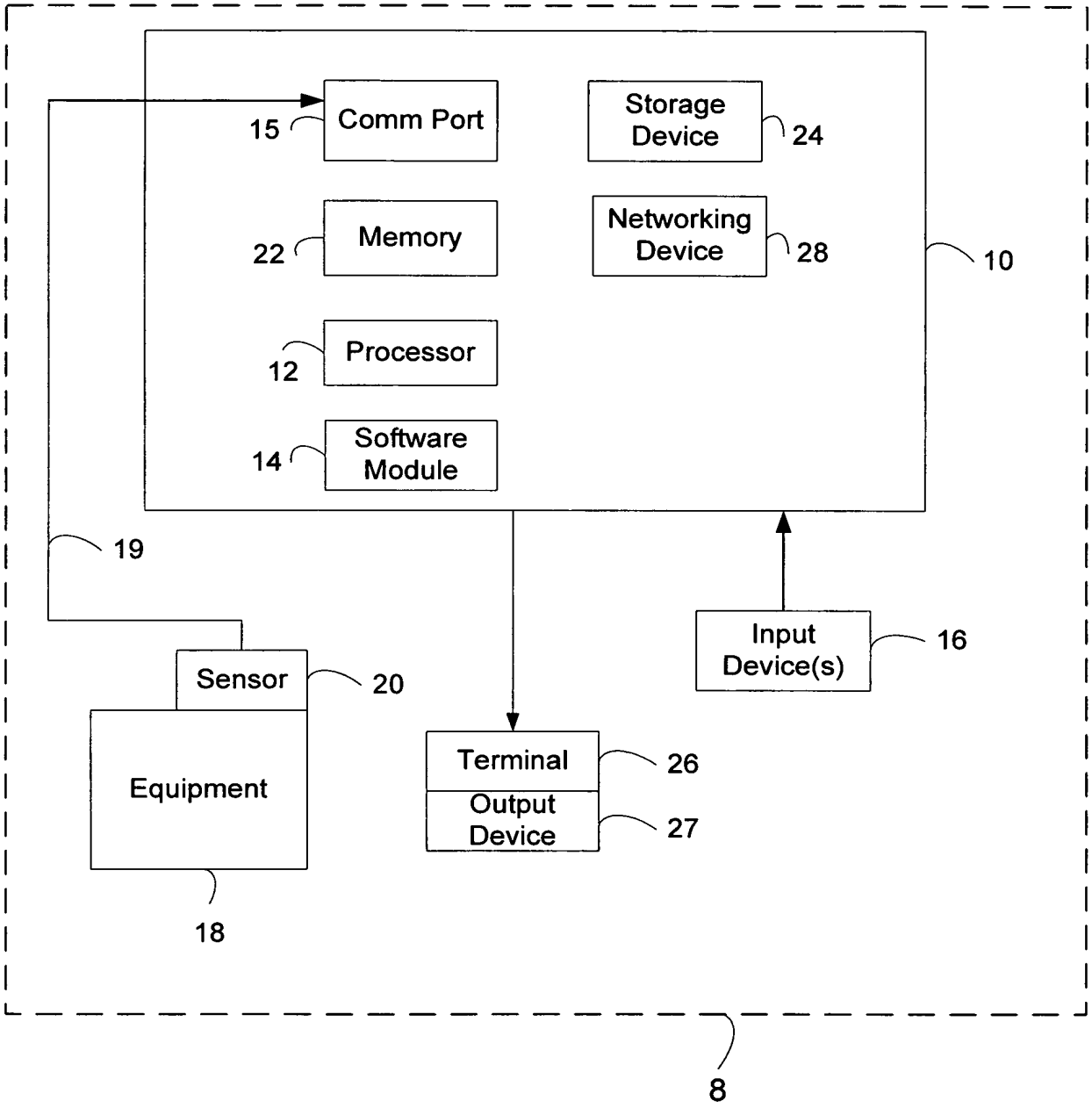
FIG. 1


Comm Port
15
Storage Device
24
Memory
22
Networking Device
28
10
Processor
12
Software Module
14
19
Input Device(s)
16
Sensor
20
Equipment
Terminal
26
Output Device
27
18
8

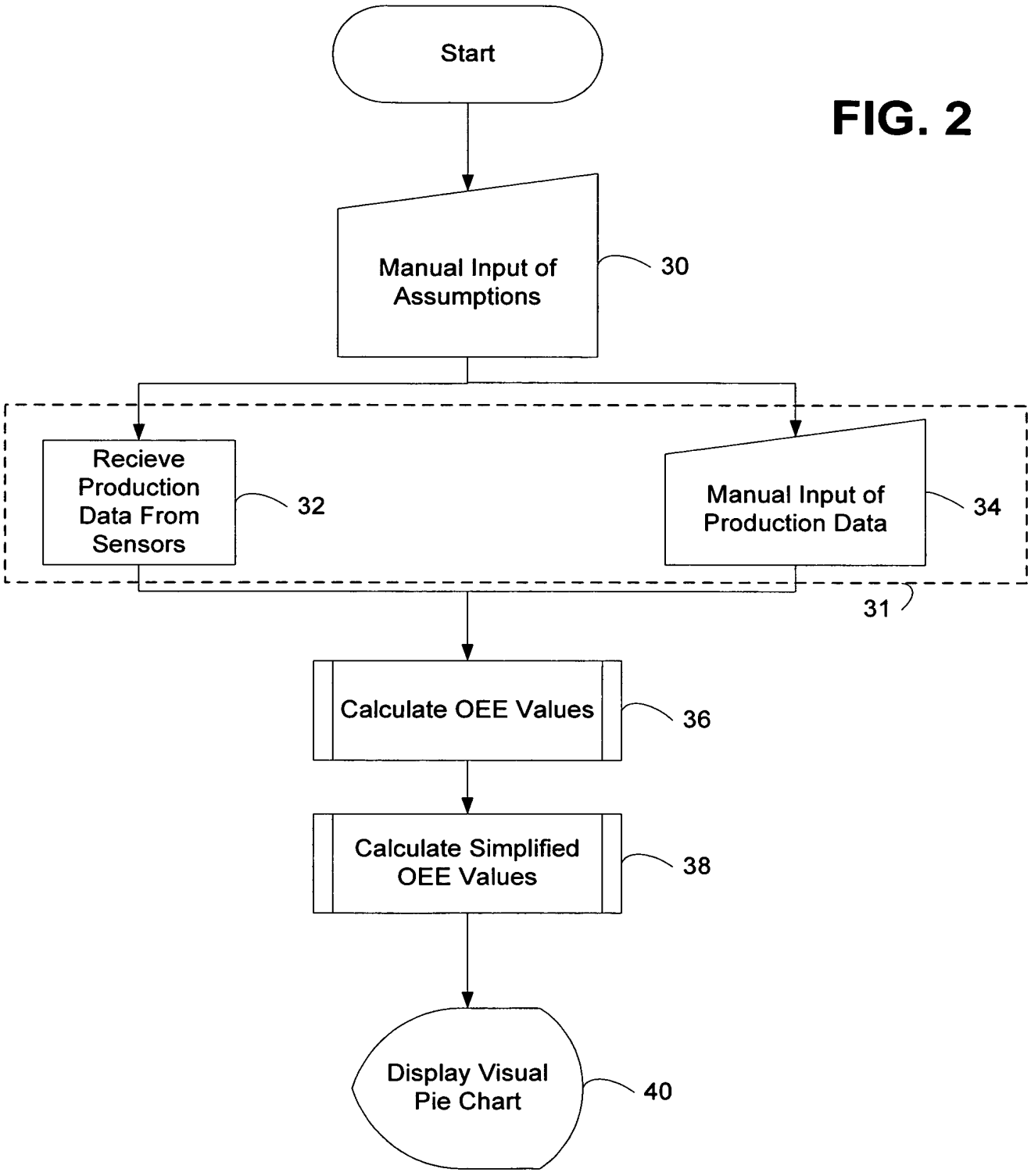

Start
Manual Input of Assumptions
30
Recieve Production Data From Sensors
32
Manual Input of Production Data
34
31
Calculate OEE Values
36
Calculate Simplified OEE Values
38
Display Visual Pie Chart
40

FIG. 2

FIG. 3

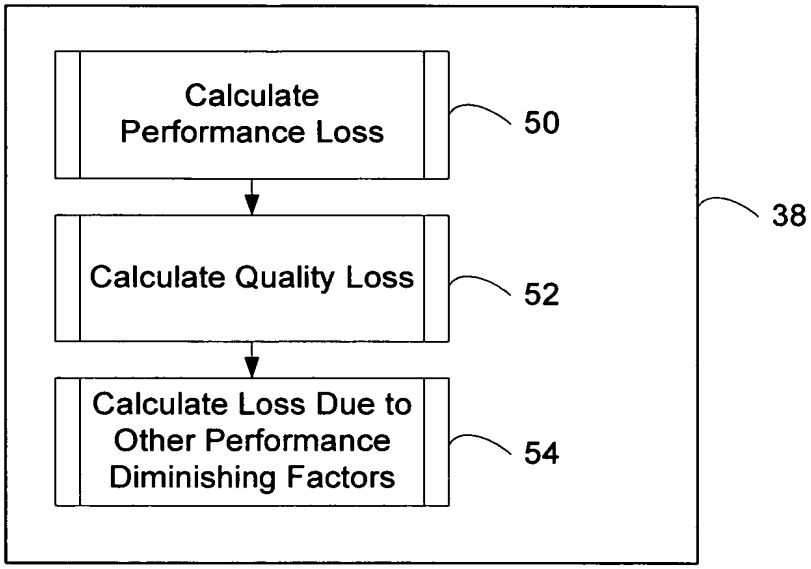
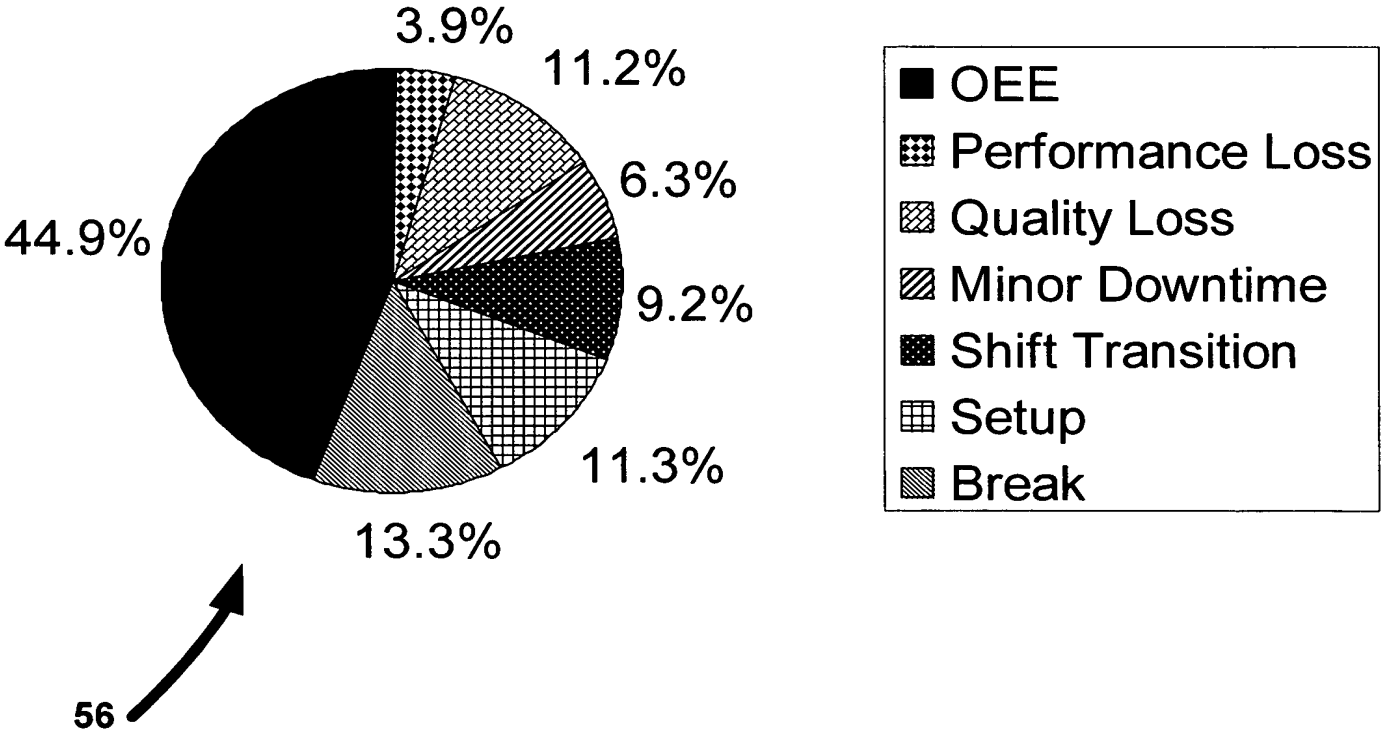

Calculate Performance Loss
50
Calculate Quality Loss
52
Calculate Loss Due to Other Performance Diminishing Factors
54
38

FIG. 4


3.9%
11.2%
6.3%
44.9%
9.2%
11.3%
13.3%
56
OEE
Performance Loss
Quality Loss
Minor Downtime
Shift Transition
Setup
Break